

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



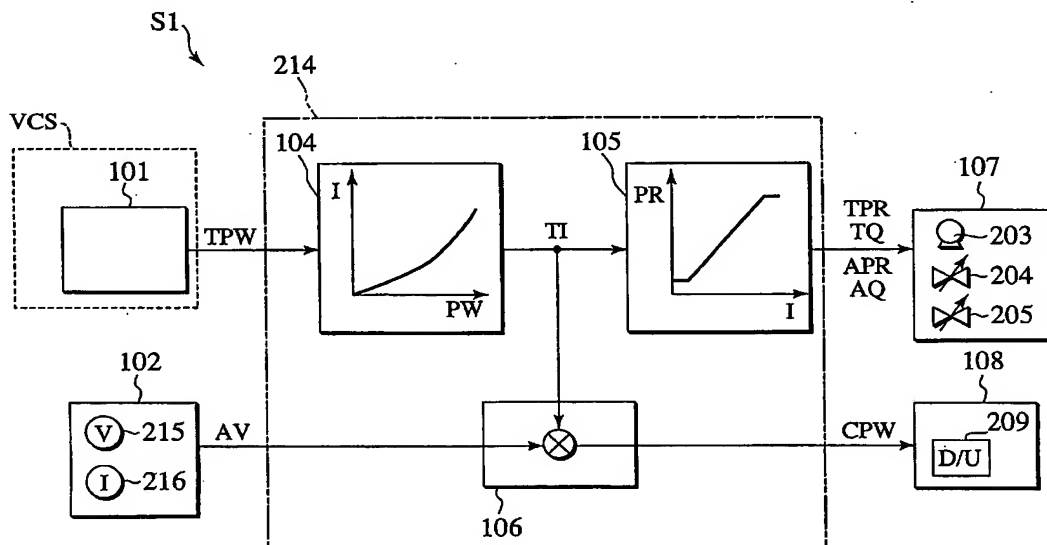
(43) International Publication Date
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number
WO 2004/059767 A2

- (51) International Patent Classification⁷: **H01M 8/04** [JP/JP]; 13-8, Honfujisawa 2-chome, Fujisawa-shi, Kanagawa 251-0875 (JP).
- (21) International Application Number: PCT/JP2003/016093
- (22) International Filing Date: 16 December 2003 (16.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 2002-374433 25 December 2002 (25.12.2002) JP
- (71) Applicant (for all designated States except US): **NISSAN MOTOR CO., LTD.** [JP/JP]; 2, Takara-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0023 (JP).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **SUZUKI, Keisuke**
- (81) Designated States (national): CN, KR, US.
- (84) Designated States (regional): European patent (DE, FR, GB).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POWER GENERATION CONTROL SYSTEM FOR FUEL CELL



(57) Abstract: A power generation control system which includes: a fuel cell (201); a target power provider (101) for the fuel cell (201); a operation status monitoring system (102) for monitoring output power from the fuel cell (201), in which the detected output power includes actual output voltage (AV) of the fuel cell (201); and a controller (214). The controller (214) includes: a target current computing unit (104) which calculates a target current (TI) from the target power (TPW) given by the target power provider (101), based on PW-I characteristic obtained from I-V characteristic of the fuel cell (201); and a command output power computing unit (106) which calculates a command output power (CPW) of the fuel cell (201) based on the target current (TI) and the actual output voltage (AV).